

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

ROBERT M. JR. ET AL.	}	
	}	GROUP ART UNIT: 1616
APPLN. NO.: 09/451,319	}	
	}	
FILED: NOVEMBER 30, 1999	}	EXAMINER: ALTON N. PRYOR
	}	
PREPARATION OF CONCENTRATED	}	
AQUEOUS BROMINE SOLUTIONS AND	}	
BIOCIDAL APPLICATIONS THEREOF	}	

CONFIRMATION NO. 8868

Customer No.: 65895

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

REFILED SEVENTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Enclosed herewith for consideration by the Examiner is a Seventh Supplemental Information Disclosure Form PTO/SB/08a. There are two foreign patents listed and enclosed. This Information Disclosure Statement is a refile of the original Seventh Supplemental IDS mailed to the USPTO on May 9, 2003, reporting references in a Search Report in a related foreign application. At the time the original Seventh Supplemental IDS was mailed, this application had been suspended by the USPTO, and the original Seventh Supplemental IDS was never recorded by the USPTO as having been filed. A copy of the original Seventh Supplemental IDS as mailed is attached.

Respectfully Submitted,

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CERTIFICATE OF SUBMISSION

I hereby certify that, in the course of ordinary business, this paper (along with any referred to as being attached or enclosed) is being submitted to the United States Patent and Trademark Office via EFS-Web on the date indicated below.

Date: January 12, 2012

Signed: /Gina R. Merritt/
Gina R. Merritt

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

ROBERT M. MOORE, JR., ET AL.

SERIAL NO.: 09/451,319

FILED: NOVEMBER 30, 1999

PREPARATION OF CONCENTRATED
AQUEOUS BROMINE SOLUTIONS AND
BIOCIDAL APPLICATIONS THEREOF

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}
} GROUP ART UNIT: 1616
}
} EXAMINER: ALTON N. PRYOR
}
}

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

SEVENTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Enclosed herewith for consideration by the Examiner is a Seventh Supplemental Information Disclosure Form PTO-1449 (modified) together with a copy of each document listed thereon. Each item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. A copy of the relevant pages of the International Search Report are also enclosed.

Respectfully Submitted,

R. Andrew Patty II

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CERTIFICATE OF MAILING

I hereby certify that this paper (along with any referred to as being attached or enclosed) is being deposited on the date shown below with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

May 9, 2003
Date

Marie H. Baller

W/PM



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Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT Seventh Supplemental (use as many sheets as necessary)				Application Number	09/451,319
				Filing Date	11/30/1999
				First Named Inventor	Moore, Jr., et al.
				Art Unit	1616
				Examiner Name	Alton N. Pryor
Sheet	1	of	1	Attorney Docket Number	SU-7073-D

U.S. PATENT DOCUMENTS						
Examiner Initials *	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)				
		US-				
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FOREIGN PATENT DOCUMENTS						
Examiner Initials *	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ³	Number ⁴ - Kind Code ⁵ (if known)			
	FP-1	EP	1 080 841 A2	03-07-2001	Nelco Chemical Co.	
	FP-2	WO	96/14092 A1	05-17-1996	W. R. Grace & Co.-Conn.	

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kind Code of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.³ Enter Office that issued the document, by the two-letter code (WFO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WFO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached.

Burdett Root Slatersmick. This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

INTERNATIONAL SEARCH REPORT

National Application No.
PCT/US 02/32300

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C02F1/50

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C02F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 080 641 A (NALCO CHEMICAL CO) 7 March 2001 (2001-03-07) paragraph '0023!; claims	1-4, 6, 7, 11, 12, 14, 15, 19
X	WO 96 14092 A (GRACE W R & CO) 17 May 1996 (1996-05-17) page 5, line 31-33; claims page 8, line 33 -page 9, line 3	1-3, 8-11, 16-19
A	EP 0 311 954 A (NALCO CHEMICAL CO) 19 April 1989 (1989-04-19) page 3, line 13-16	1-19

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document relating to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"I" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"Z" document member of the same patent family

Date of the actual completion of the international search

14 February 2003

Date of mailing of the international search report

21/02/2003

Name and mailing address of the ISA

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Authorized officer

Serra, R

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No.

PCT/US 02/32300

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
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			BR 0013130 A	17-12-2002
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			FI 971852 A	30-04-1997
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			NO 972002 A	02-07-1997
			NZ 296363 A	29-04-1999
			WO 9614092 A1	17-05-1996
EP 0311954	A	19-04-1989	US 4759852 A	26-07-1988
			AU 2343088 A	20-04-1989
			CA 1299965 A1	05-05-1992
			EP 0311954 A2	19-04-1989
			JP 1130795 A	23-05-1989
			NZ 226436 A	27-10-1989
			ZA 8807651 A	26-07-1989

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Applicants Robert M. Moore, Jr., et al.

Serial No. 09/451,319 Filed November 30, 1999

Case No. SU-7073-D

Item(s) Enclosed 1-Page Seventh Supplemental Information
Disclosure Statement; 2-Page International Search
Report; Form PTO/SB/08A w/2 References

Due Date

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